
GLERL Science Review Agenda

Day 1: Tuesday, March 22

PRELIMINARIES

7:00 AM *Breakfast (closed)– Kensington Court Hotel Library OAR AA, DAA, and Reviewers*

8:00 AM *Review Panel members meet in Kensington Court lobby for transportation to GLERL. Other attendees, transportation on your own.*

Check-in begins at GLERL

WELCOME (Lake Superior Hall)

8:30 AM Overview of NOAA/OAR Research Planning and Funding; Introduction of Review Panel

9:00 AM GLERL Overview – Deborah Lee (Director, GLERL)

9:45 AM *Break (15 min) – Light Refreshments*

THEME 1: OBSERVATION SYSTEMS & ADVANCED TECHNOLOGY PRESENTATIONS

10:00 AM Observation Systems & Advanced Technology Overview (Steve Ruberg)

10:05 AM Great Lakes Field Stations and Vessels (Dennis Donahue)

10:25 AM Observing System Data Acquisition & Data Management (Ron Muzzi)

10:40 AM Observing Systems Research and Technology Transition (Steve Ruberg)

11:00 AM CoastWatch Satellite Research and Product Development (George Leshkevich)

12:00 PM ***Lunch***

Review Panel and Federal Support Scientists: Concept Development Room (Closed)

All Other Attendees: Michigan Huron Room

THEME 1: OBSERVATION SYSTEMS & ADVANCED TECHNOLOGY MARINE INSTRUMENTATION LAB TOUR AND IN FOCUS PRESENTATIONS

12:45 PM *Meet in the Basin; Walk to High Bay*

12:50 PM High Bay Overview and Marine Instrumentation Highlights (Steve Ruberg)

12:55 PM ReCON Buoy Overview (Steve Constant)

1:00 PM Hyperspectral Airborne and Hand-held Sensors on Lake Erie Poster (Andrea Vander Woude)

1:15 PM Application of Buoy and Mobile Platform Observing Technologies Poster (Tom Johengen)

1:30 PM *Reassemble in Lake Superior Hall*

OSAT Theme Summary with Questions and Answer Session (*Lake Superior Hall*)

THEME 2: ECOSYSTEM DYNAMICS PRESENTATIONS

2:00 PM Ecosystem Dynamics Overview (Henry Vanderploeg)

2:10 PM Harmful Algal Blooms from Satellites to Genomes (Tim Davis)

2:30 PM Forecasting Invasive Species Impacts and Distributions in the Great Lakes (Ed Rutherford)

2:50 PM Invasive Mussel Population Dynamics and Processes (Ashley Baldrige)

3:10 PM *Announcements, Break (10 min)*

THEME 2: ECOSYSTEM DYNAMICS LAB TOUR AND IN FOCUS PRESENTATIONS

3:20 PM *Meet in the Basin; Walk to Preserved Biology Lab (Room 905)*

3:25 PM Preserved Biology Lab Overview (Ashley Baldrige)

3:35 PM What if Asian Carp Establish in the Great Lakes? (Hongyan Zhang)

3:45 PM Great Lakes Nonindigenous Species Information System (Rochelle Sturtevant)

3:55 PM *Walk to Chemistry Lab (Room 701)*

4:00 PM Environmental Sample Processor Demonstration (Tim Davis and Alicia Ritzenthaler)

4:15 PM *End of Day*

4:25 PM First Reviewer Shuttle departs to Kensington Court Hotel

4:35 PM Second Reviewer Shuttle departs to Kensington Court Hotel

EVENING ACTIVITIES

6:15 PM *Review Panel Dinner Pick-up
(meet in Kensington Court Hotel lobby for transport to Sava)*

6:30 PM Review Panel Dinner at [Sava's](#) (By invitation only)
(Review Panel, AA, DAA-LCI, DAA – PA, CILER Leadership, GLERL Director, Deputy Director, Theme Leads)

No-Host Dinner at [Macaroni Grill](#) (Optional for all attendees - on your own)

**Note - Advanced sign up required for group reservation*

Day 2: Wednesday, March 23

PRELIMINARIES

- 7:00 AM** *Breakfast (closed)– Kensington Court Hotel Library - Reviewers*
- 8:00 AM** *Reviewers meet in Kensington Court lobby for transportation to GLERL.
Other attendees, transportation on your own.*
- Check-in begins at GLERL*
- 8:30 AM** *Announcements (Lake Superior Hall)*

THEME 2: ECOSYSTEM DYNAMICS PRESENTATIONS *Continued*

- 8:40 AM** Core LTR Seasonal Nutrient, Plankton, and Fisheries Research Monitoring (Steve Pothoven)
- 9:00 AM** Fine-Scale Spatial and Temporal Dynamics of the Food Web (Doran Mason)
- 9:20 AM** Process Studies: Invasive Mussel (*Dreissena*) example (Henry Vanderploeg)
- 9:40 AM** Biophysical Modeling (Mark Rowe)
- 10:00 AM** *Break (15 min)*
- 10:15 AM** Ecosystem Dynamics Theme Summary with Questions and Answer Session
- 11:15 AM** *Break (15 min)*

- 11:30 AM** **COOPERATIVE INSTITUTE FOR LIMNOLOGY AND ECOSYSTEMS RESEARCH**
(Allen Burton, Director, CILER)

- 12:00 PM** **Lunch**
Review Panel, CILER: Concept Development Room (Closed)
All Other Attendees: Michigan Huron Room
- 12:45 PM** *Reassemble in Lake Superior Hall for afternoon announcements*

THEME 3: INTEGRATED PHYSICAL & ECOLOGICAL MODELING & FORECASTING PRESENTATIONS

- 1:00 PM** Integrated Physical and Ecological Modeling and Forecasting Overview (Philip Chu)
- 1:20 PM** Regional Coupled Atmosphere-Lake-Land Modeling for Research and Applications (Brent Lofgren)
- 1:40 PM** Hydrodynamic Modeling (Eric Anderson)
- 2:00 PM** *Announcements, Break (10 mins)*
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THEME 3: INTEGRATED PHYSICAL & ECOLOGICAL MODELING & FORECASTING IN FOCUS PRESENTATIONS

2:10 PM *Meet in the Basin and walk to Field Instrumentation Prep Lab (Room 505)*

2:15 PM Field Instrumentation Prep Lab Overview (Dack Stuart)

2:20 PM Lake Erie FVCOM-Ice (Ayumi Manome)

2:30 PM Bio-Physical Coupling in the Great Lakes (Dmitry Beletsky)

2:40 PM Improving Great Lakes Seasonal Climate Forecasts (Becky Bolinger)

2:50 PM *Break (10 min)*

Reassemble in Lake Superior Hall

THEME 3: INTEGRATED PHYSICAL & ECOLOGICAL MODELING & FORECASTING PRESENTATIONS *Continued*

3:00 PM Hydrological Modeling (Andrew Gronewold)

3:20 PM Great Lakes Ice and Climate Research, Modeling, and Applications (Jia Wang)

3:40 PM Large Lake Ecosystem Phosphorus Modeling and Prediction (Craig Stow)

4:00 PM *Break (10 min)*

4:10 PM IPEMF Theme Summary with Questions and Answer Session

5:00 PM ***End of GLERL Science Review Open Sessions for Observers***

Break (10 min)

5:10 PM *Line Office Feedback Session (Concept Development Room)*
(Closed session for NOAA Line Office Reps and GLERL Science Council)

Reviewer Working Session (Closed Session in Lake Erie Room)

6:00 PM ***End of Day and End of Review for Line Office Reps***

6:10 PM *Reviewer Shuttles departs to Kensington Court Hotel*

EVENING ACTIVITIES

6:30 PM Dinner at [Arbor Brewing Company](#)*
(Optional for all attendees - Transportation on your own)
**The Tap Room has been reserved for our group*

Day 3: Thursday, March 24 (Closed to public)

PRELIMINARIES

- 7:00 AM** Breakfast (closed)– Kensington Court Hotel Library - Reviewers
- 8:00 AM** Reviewers meet in Kensington Court lobby for transportation to GLERL. Other attendees, transportation on your own.
- 8:20 AM** Announcements/Preparation for closed Stakeholder Sessions (*Lake Superior Hall*)

STAKEHOLDER SESSIONS (*CONCURRENT*)

Session A

- 8:30 AM** Stakeholder Session A Begins (*Lake Erie Room*)
- 8:40 AM** Great Lakes Observing Systems (Kelli Paige, *in person*)
- 9:00 AM** U.S. Army Corps of Engineers (John Allis, *in person*)
- 9:20 AM** NASA Glenn Research Center (Larry Liou, *phone*)
- 9:40 AM** U.S. Coast Guard 9th District (Jerome Popiel, *in person*)

Session B

- 8:30 AM** Stakeholder Session B Begins (Concept Development)
- 8:40 AM** U.S. Coast Guard Office of Search and Rescue (Arthur Allen, *in person*)
- 9:00 AM** Great Lakes Fishery Commission (John Dettmers, *phone*)
- 9:20 AM** Cleveland Water Department (Scott Moegling, *phone*)
- 9:40 AM** Ontario Power Generation – Niagara River Control Centre (Peter Kowalski, *phone*)
- 10:00 AM** Illinois – Indiana Sea Grant (Brian Miller, *phone*)
- 10:20 AM** Break (10 min)

WRAP UP SESSIONS

- 10:30 AM** Wrap-up and Q&A with GLERL (*Reviewers and GLERL Science Council; Lake Superior Hall*)
- 10:55 AM** Review Panel Group Photo
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- 11:00 AM** Reviewer Working Session with Lunch (*Lake Erie Room*)
Discussion, Report Coordination, Begin Writing, and Preparation for Report-out
- 12:30 PM** Review team to provide preliminary feedback to OAR and GLERL Leadership (*Reviewers and GLERL Science Council; Lake Superior Hall*)
- 1:30 PM** Review Panel Working Session (*at the discretion of the Chair; Lake Erie Room*)
- 5:00 PM** End of All Review Activities
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